Montana State Legislature

2011Session

Exhibit 8

This exhibit is a booklet which can not be scanned, therefore only the front cover/table of content and 10 pages have been scanned to aid in your research.

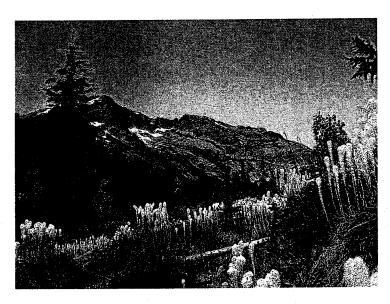
The original exhibits are on file at the Montana Historical Society and may be viewed there.

Montana Historical Society Archives 225 N. Roberts Helena MT 59620-1201

2011 Legislative Scanner Susie Hamilton

DATE 19/2011

Montana Forest and Conservation Experiment Station



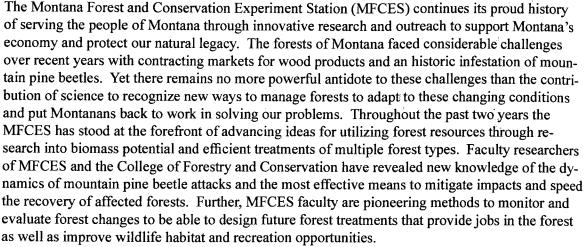
2009/2010





Marile William







This report highlights a few of the major programs that flourished within the MFCES in the last biennium while providing a window to the wealth of potential future benefits from forestry research. The faculty scientists of MFCES are housed at the University of Montana's College of Forestry and Conservation and they are introduced on the following pages. The new projects that have been generated through the energy and commitment of these scientists are impressive, and a brief description of the major awards throughout the biennium is provided. Finally, the report closes with a more detailed description of four selected research and outreach endeavors: (1) Biomass research to create new marketing opportunities for wood products; (2) MFCES's Applied Forest Management Program and its response to the mountain pine beetle outbreak; (3) Monitoring forest conditions and the impacts of forest treatments to design more effective forest management operations; and (4) Workforce development programs in wildland fire management to apply the latest science tools to create more skilled fire fighters and reduce the cost of wildfire suppression.



It's important to note that the support provided by the State of Montana to the MFCES establishes the foundation for this broad array of research and outreach projects, such that each dollar invested by the state leverages another five dollars in sponsored research projects acquired through external grants and contracts. This investment in science and the capacity of the MFCES to attract additional resources creates both immediate and long-term economic impacts. Not only are there jobs created to conduct the research, but investments in the MFCES and its research mission provide vital training to the next generation of innovators and entrepreneurs who start businesses in Montana.



We cherish our forests in Montana, and the Montana Forest and Conservation Experiment Station will remain a reliable, trusted partner in creating the knowledge and opportunity to better use them.





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Cory Cleveland Assistant Professor, Soil Science

Elizabeth Covelli Assistant Professor, Parks Tourism & Recreation Management

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L. Scott Mills

Professor, Wildlife Population Ecology

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Adjunct Research Assistant Professor, Wildlife Biology

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Research Assistant Professor; Director, Wilderness Institute

Hans R. Zuuring

Professor Emeritus, Forest Biometry



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Abrahamson, Ilana - MS FOR
Assessing the Performance of Sampling
Designs for Measuring Abundance of Understory Plants After Forest Restoration

Adams, John - PhD FOR Recreation Allocations on National Forests: The Claims and Frames of Recreationists

Adar, Kalil - MS FOR A Year of Academic Study and Field Experience in the USA: Ideas, Recommendations and Applications to Israeli Forest Ecosystems

Balfour, Victoria - PhD FOR
The Effect of Forest Fires on Runoff Rates:
The Role of Duff Removal and Surface
Sealing by Vegetative Ash, Western Montana

Benson, Aubree - MS WBIO

Effects of Barriers on Migratory Bull Trout
and Application of a Conceptual Framework to Evaluate Tradeoffs Associated
with Dam Removal in the Clearwater River
Drainage, Montana

Biancucci, Atilio - MS WBIO Does Nest Size Constrain Clutch Size?: A Tropical-Temperate Test

Boley, Bertram Bynum - MS RECM Geotourism in the Crown of the Continent: Developing and Testing the Geotourism Survey Instrument

Boyle, Dylan - MS RECM
Evaluating and Comparing Montana's
Geotravelers

Carey, Heath - MS RSCN
The Missoula Poplar Project: Utilizing
Poplars to Enhance Wastewater Treatment

Cleveland, Shawn - MS WBIO Human Predation Risk and Elk Behavior in Heterogeneous Landscapes

Corrow, Allissa - MS RSCN
Double Sampling for Coarse Woody Debris
Estimations Following Line Intersect
Sampling

Crider, Kimberly - PhD FWB Biological Control: Effects of Tyria jacobaeae on the Population Dynamics of Senecio jacobaea in Northwest Montana



Derbridge, Jonathan - MS WBIO Summer Wolf Diet in Northwestern Montana

Efta, James - MS RSCN
A Methodology for Planning Road Best
Management Practices Combining Wepp:
Road Erosion Modeling and Simulated Annealing Optimization

Eidson, Lisa - MS FOR Barriers to e-Learning Job Training: Government Employee Experiences in an Online Wilderness Management Course

Essen, Maureen - MS FOR Ruffled Feathers: Shared Narratives in the Sage-grouse Management Conflict in Sublette County, Wyoming

Fischer, Andrew - MS RSCN
Recommendations for Instream Flow
Rights on National Forest Lands in Montana

Floch, Luke - MS FOR
Assessing the Accuracy of LIDAR as a Forest Inventory Tool Using Individual Stem
Identification and Attribution

Gardipee, Florence - PhD FWB
Development of Fecal DNA Sampling
Methods to Assess Genetic Population
Structure of Greater Yellowstone Bison

Garlough, Emily - MS FOR
Factors that Influence Ponderosa Pine
Duff Mound Consumption

Grant, Ashley - MS FOR Restoration of Native Plant Communities After Road Decommissioning: Effect of Seed Mix and Soil Properties on Vegetative Establishment

Greene, Lacey - MS WBIO Short-Term Effects of Wildfire on Sierra Nevada Bighorn Sheep Habitat Ecology

Hadlow, Ann - MS FOR Changes in Fire Season Precipitation in Idaho and Montana from 1982-2006

Hakanson, Erik - PhD FOR Fuels Management Policy and Practice In the U.S. Forest Service

Johnson, Heather - PhD FWB Escaping the Extinction Vortex: Identifying Factors Affecting Population Performance and Recovery in Endangered Sierra Nevada Bighorn Sheep

Kash, Aaron - MS FOR The Use of Roll-Off Bins and a Hook-Lift Equipped Harwarder and Truck for Forest Biomass Utilization

Lehman, Ashley - MS RSCN
Assessing Ethnobotanical Knowledge
and Resources to Develop a Sustainable
Management Plan for the Lokaro Reserve
in Southeast, Madagascar